



## Security & Infrastructure

Experience the Most **Up-To-Date & Advanced** Infrastructure on the Market Today.



With Uninterruptible Power Supply (UPS) systems and emergency backup diesel generators, our electrical distribution system is designed to power your systems, even during a blackout. UPS systems prevent power spikes, surges and brownouts while redundant backup diesel generators provide additional fuel to keep the data centre powered up in the event that public utility fails.

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**Business Edition 2.0**

## Security

ATS ONDEMAND offers its customers the most up-to-date and advanced infrastructure on the market today. Perseless clients can be assured that every security measure and redundancy are in place to keep their information safe and secure.

## Power

With Uninterruptible Power Supply (UPS) systems and emergency backup diesel generators, our electrical distribution system is designed to power your systems, even during a blackout.

UPS systems prevent power spikes, surges and brownouts while redundant backup diesel generators provide additional fuel to keep the data centre powered up in the event that public utility fails. The entire electrical system has built-in redundancy to guarantee continuous operation. The overall system is N+1 redundant, including each component within the parallel electrical systems.

## Environment

Each IBX center is completely fitted with redundancy for precision HVAC, power and fire detection/suppression systems, etc.

## Redundant HVAC

To provide optimum conditions for equipment operation and minimize downtime due to equipment failure, the HVAC system provides appropriate airflow, temperature and humidity. Redundancy features provide additional protection for customer operations. Air-cooled package chillers arranged in N+1 redundancy configuration and backed up by generator supply is adopted to provide round-the-clock chilled water supply to the precision air conditioner units throughout the IBX center.

## Fire Detection and Suppressions

Multi-zoned, dry pipe, water-based fire suppression system with sensory mechanisms (sniffers) to sample air and provide alarms prior to pressurization. Dual alarm (heat and/or smoke) activation necessary for water pressurization of system. Water only enters the fire suppression system in the event of two cross-zone alarms, and will only disperse in the event of a broken or melted sprinklerhead. Any water discharge will be sprinkler-head specific, which will limit the potential for damage caused by over-spray.

## Flood Control

Built above sea-level with no basements, tightly sealed conduits, moisture barriers on exterior walls, and dedicated pump rooms; drainage/evacuation systems; moisture detection sensors.

## Earthquake

Location-specific seismic compliance. Structural systems meet or exceed seismic design requirements of local building codes for lateral seismic design forces. In addition, equipment and nonstructural components, including cabinets, are anchored and braced in accordance with the requirements of the 1997 Uniform Building Code.

## **Security (cont.)**

Our technology is based on their experience successfully securing more than 100,000 business web sites, and millions of dollars in electronic U.S. Postal funds against the same criminals who are stealing credit card and personal data from online shoppers every day. The result is the most advanced and comprehensive web site security certification service available. The HACKER SAFE certification mark signifies that a web site has reduced its vulnerability to hackers by more than 99.99 percent and meets the highest government and industry security standards. HACKER SAFE sites are certified to be in compliance with the network security audit requirements of Visa, MasterCard, American Express and Discover Card, plus all government regulations requiring external vulnerability tests of network infrastructure. We take great pride in this, and the fact that we are helping to put hackers out of business, leading to a future where the theft of a credit card online will be the exception rather than the rule.

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